018-19.

ಂತೇಶ್ ಕುಮಾರ್. ಸಂ.

8 ರಂದು ಪ್ರತಿಸಿದೆ.

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ಪ್ರಮಾಣಿಸಿದೆ.

cutive Engineer
ayanapura Division
nka Zone, B.B.M.P.
ngalore-560092

10/12

Work code: 005-16-000052
Est cost: Rs. 450.00 Lakhs

Second & Final Bill

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497701

Serial No. ..... From..... To.....

Name of Work .....

Name of Contractor of nature of Agency Sri K.R. Santhosh Kumar, Banglore.

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of work: package No 1 Improvements to Roads and Drains providing ammenities construction of RO water plant Banglore one center providing Sodium vapour Lights sign boards in ward No. 05 and 06 Byalarayanapura Division as per Annexure 90 on UDD 217 SFC 2016 works SL No F00 ward No. 05 1 to 6, ward No. 06 7 to 11.						
	Work order No:	BBMP/EE/BTP/WO/61/2017-18 D: 20.04.2018					
	Recorded date:	23-02-2019					

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
1)	Earth work excavation by manually means in ordinary soil involving an average horizontal throw upto 2m and an average lift upto 0.5m excavated surface levelled and sides neatly dressed the disposal earth to be levelled the disposed earth to be levelled neatly after breaking of clods complete as per specification						
	previous qty Recorded vide MB No. 4951/18-19 & page no. 49 5001 to 02 is					899.45 m3	
	present qty					-NIL-	
2)	Removing and refixing stone slabs of drains and pointing in CM(1:3) with all lead and lift locally and unlocally and all other incidental charges etc complete as per specification						

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agenc

Date of commencement of work .....

Date	Full description, etc, of work
1	2
	previo 495
3)	providing granite dressed and fixed curing etc complete locally and unloca
	previou 495

OK

Depth 6	Contents 7	Reference to last Measurement 8
eans in ordinary up to 2 m and ace levelled and be levelled the alling of clocks		
MB No. 4951/18-19	899.45 m3	
	-NIL-	
ins and pointing and unloading te as per		

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497702

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	previous qty Recorded vide page no. 495002/1 of MB No. 4951/18-19 is					1692.90 m2	
	present qty					-NIL-	
	3) providing granite stabs of selected quanity roughly dressed and fixed in cement mortar (1:6) including fixing curing etc complete 7.5 cms thick with all lead and lift loading and unloading etc complete as per specification						
	previous qty Recorded vide page no. 495003 of MB No. 4951/18-19 is					739.80 m2	
	present qty					-NIL-	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	4) providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs with 40mm and down size graded granite metal coarse aggregates @ 0.89 2 cum and fine aggregates @ 0.465 cum machine mixed concrete laid in layers not exceeding 15 cm thick well compacted in foundation including cost of all materials labours HOM of machine curing complete as per specification previous Qty Recorded vide page No. 495004 of MB No. 4951/18-19 is 21.18m3 present Qty -NIL-						
	5) providing and constructing granite/trap/basalt size stone masonry in foundation with cement mortar 1:6 stone hammered dressed in course not less than 20 cm high bond stone at 2m apart from in each course including cost of materials labours curing complete as per specification						

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	N
1	2	
	previou 49500	
	6) providing flush pointi stone masonry with ceme joints to depth of 20 mm labours curing complet previous 49500	

OOK

th	Depth 6	Contents 7	Reference to last Measurement 8
...ment concrete ...th 40 mm and ... aggregates @ 0.89 ...ine mixed ...thick well compacted ...ch labours HOM ...tion			
...e page no. ...18-19 is		21.18 m3	
...ty		-NIL-	
...s/ basalt size ... mortar 1:6 stone ...an 20 cm high ...rse including cost ... specification			

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497703

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Previous qty Recorded side page no: 495005 of MB No. 4951/18-19 is					70.87 m3	
	present qty					-NIL-	
	b) providing flush pointing to square rubble course or uncoursed stone masonry with cement mortar 1:3 20 mm deep after raking joints to depth of 20 mm nicely lining including cost of materials labours curing complete as per specification.						
	Previous qty Recorded side page no: 495006 of MB No. 4951/18-19 is					118.12 m2	

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
			present qty			-NIL-	
	7) providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240 kgs with 20 mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregates @ 0.459 cum machine mixed concrete laid in layers not exceeding 15 cm thick well compacted in foundation plinth and sills including cost of all materials labours HOM of machinery curing complete as per specification						
	previous qty Recorded vide page no. 495007 of MB No. 4951/18-9 in					6.66 cum	
			present qty			-NIL-	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agenc
Date of commencement of work .....

Date 1	Full description, etc, of work 2
	8) providing and fixi thick for drain in Jally 20 mm and d including form wore surface on both side
	pr 4
	present qty
	qty up to 125%

OK

Depth 6	Contents 7	Reference to last Measurement 8
Qty	-NIL-	
ement concrete 20mm and gregates @ 0.69 ie mixed concrete compacted in ll materials s per specification		
vide page no. 51/18-19 is	6.66 m3	
7	-NIL-	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497704

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
8)	providing and fixing R.C.C precast cover slab of 250 mm thick for drain in cement concrete M 20 using graded granite Jelly 20 mm and down size with steel reinforcement including form work lift charges, curing and concrete finished surface on both sides etc complete as per drawing						
	Previous Qty Recorded vide page no 495008 & MB no. 4951/18-19 is					105.30 m2	
	Present Qty	Qty Recorded vide page no. 9 & 10 is				152.28 m2	
						131.03 m2	
	Qty up to 125%		Deduct previous qty			-105.30 m2	

23/2/19

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	present Qty	up to	125%			26.33 m²	
				CRs. 4892.00/m²			128806=00
	present Qty	above	125%			20.66 m²	
				CRs. 5418.00/m²			111909=00
	9) construction of median and island with soil taken from borrow areas construction of median and island above road level with approved materials deposited from borrow pits spread sloped and compacted as per clause 400.7 complete as per specification.						
	previous Qty Recorded vide page no.						

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agenc

Date of commencement of work .....

Date	Full description, etc, of work
1	2
	10) Providing and layi interlock pavers using of blocks of approved compressive strength bed coverage thickne 3 tons compaction fo to come up in betwe joints in to in final l as per specification

BOOK

s		Contents	Reference to last Measurement
adth 5	Depth 6	7	8
		26.33 m2	
.4892.00/m2			128806=00
		20.66 m2	
5418.00/m2			111909=00
with soil taken			
an and island			
ials deposited			
pacted as per			
n.			
le page no.			

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497705

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		495009 of	MB No.	4951/	18-19 is	207.90 m2	
			present qty			-NIL-	
10)	Providing and laying heavy duty cobble stones 60mm thick interlock pavers using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacted with plate vibrator having 3 tone capacitation force thereby forcing part of sand underneath to come up in between joints final compaction of paver surface joints in to its final level including cost of materials etc complete as per specification						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	4	6	7	8
	Previous Qty Recorded vide page no: 4950091, to 495010 of MB No: 4951/18-19 in					2772.00 m²	
	present Qty					-NIL-	
11)	Scarifying existing bituminous surface to a depth of 50mm by mechanical means scarifying the existing bituminous road surface to a depth of 50mm and disposal of scarified materials and complete as per specification						
	previous Qty Recorded vide page no: 495010, to 495011 of MB No: 4951/18-19 in					3175.03 m²	
	present Qty					-NIL-	

M.

Serial No. .....

Name of Work ..... F

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Numb
1	2	3
12)	Excavation for road work of 0.80 cum bucket capacity tipper trimming bottom and requirements of lines grades to embankments, location	
	previous	
	495011 t	
13)	providing, laying spreading aggregates to wet mix macad	

OOK

Depth 6	Contents 7	Reference to last Measurement 8
le page no:		
B No:	2772.00 m²	
	-NIL-	
depth of 50mm		
ituminous road		
scarified materials		
ide page no:		
o: 4951/18-19 is		
	3175.03 m²	
qty	-NIL-	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497706

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
12)	Excavation for road work in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tipper trimming bottom and side slopes in accordance with requirements of lines grades and cross section and transportation to embankment, location and complete as per specification						
	Previous qty Recorded vide page no: 495011 to 5012 of MB No: 4951/18-19 is					1238.63 m³	
				present qty		-NIL-	
13)	Providing, laying spreading and compacting graded stone aggregates to wet mix macadam specification including premixing						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	the materials with water at OMC in mechanical mix plant carriage of mixed materials by tippers to site laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achive the desired density complete as per specification						
	previous qty Recorded vide page no: 495012 to 5013 of MB no: 4951/18-19 is					2025.73 m³	
	present qty					- NIL -	
14)	providing and applying primer coat with S.S bitumen emulsion of prepared surface of granular base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kg/km using mechanical means complete						

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work
1	2
	previou 495013
15)	Cleaning the existing bl brushes and finally c compacted air to recei coll of all materials la as per specification
	previo 4950

OOK

	Depth 6	Contents 7	Reference to last Measurement 8
...anical mix plant ...ite laying in uni... ...rse on well ...ralog roller to ...pecification			
... page no: ...51/18-19 is		2025.73 m³	
... qty		- NIL -	
...s bitumen emulsion ...es WBM WMM ...ying primer at ...ms complete			

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497707

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	previous qty Recorded vide page no. 495013/1 to 5014 of MB No: 4951/18-19 is 9195.68 m²						
	present qty is					- NIL -	
15)	Cleaning the existing black topped surface with brooms soft brushes and finally dusting with old gunny bags and/or compacted air to receive bituminous treatment including cost of all materials labours HOM of machineries complete as per specification						
	previous Qty Recorded vide page no: 495014/1 to 5015 of MB No: 4951/1819 is 10374.10 m²						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	present Qty Recorded vide page No:					1949.17 m²	
				Total Qty		12323.27 m²	
				Deduct previous Qty		-10374.10 m²	
				Qty to be paid		1949.17 m²	
				@Rs. 3.18/m²			6198=00
	16) providing and applying lack coat using 80/100 Grade bitumen (VG10) on prepared black topped surfaces at 2.50 kg/10 sqm heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of materials labours HOM of machinery complete as per specification						

26/2/19

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency ....

Date of commencement of work .....

Date	Full description, etc, of work
1	2
	previous Q 4950151,
	present

C & FC 27/2/2019

27/2/19

OOK

h	Depth 6	Contents 7	Reference to last Measurement 8
		vide page No:	
		1949.17 m²	
l	qty	12323.27 m²	
	previous qty	-10374.10 m²	
	aid	1949.17 m²	
	3.18/m²		6198=00
	30/100 Grade		
	l surfaces at 2.50		
	d with spray set		
	coll of materials		
	pecification		

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497708

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	previous qty Recorded vide page No: 4950151, to 4950116 of MB No: 4951/1879 is					24347.00 m²	
	present qty Recorded vide page No:					1804.30 m²	
	Total Qty					26151.30 m²	
	Deduct previous qty					-24347.00 m²	
	present qty to be paid					1804.30 m²	
	Rs 12.72/m²						22951=00

C & FC
27/2/2019

27/2/19

...pth 6	Contents 7	Reference to last Measurement 8
...pageno.		
...1/18-19	216.00 m2	
	-NIL-	
...ed wire		
... of surface		
...pageno.		
...9 is	990.00 m2	
	-NIL-	
... with synthetic		
...ven an even		
... pageno:		
...1/18-19 in		
	319000.00 cu	
	-NIL-	

M. A. R. 57 (Rule 116)

Measurement Book

No. B 497744

Serial No. ....

Name of Work .... From.......................... To..........................

Name of Contractor of nature of Agency ....

Date of commencement of work ....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
128)	Manufacturing supply and fixing of Retro. reflection road name sign board single arrow size 1.98x0.9m size made out of wide angle cube corner micro prismatic grade sheet						
	Previous qty Recorded vide pageno 4950 88 to 89 of MB No: 4951/18-19 is					12 Nos	
	Present qty					-NIL-	
	:EIRL:						
E1)	Workstation table finishing veneer inside laminated border silver top granite with key board tray						
	qty vide recorded vide pageno.					6 Nos	87011.00

CR. 14501.80 Nos.

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
E2)	Pedal unit 3 Drawers Qty Recorded vide page no. @Rs. 8420.40/NO					3 NOS	25261:00
E3)	Providing and fixing storage unit of 0.75m width made out of 19mm thick commercial ply vertical support finished in approved 19mm thick Qty Recorded vide page no. @Rs. 13206.56/m²					9.45 m²	124802:00
E4)	Steel executive revolving chair with cane ear back as cost of materials, 1050 Ons						

C & FC 2005 6/3/2019

Serial No. .....
Name of Work .....
Name of Contractor of nature of Age
Date of commencement of work .....

Date 1	Full description, etc, of wo 2
E5)	visitor chair wi
E6)	concealed cond pipe mm thick PVC jounction

6/3/19

NT BOOK

Dimensions			Contents	Reference to last Measurement
	Breadth 5	Depth 6	7	8
ricle page no.			3 NOS	25261=00
@Rs. 8420.40/NO				
0.75m width made				
vertical support finished				
d ricle page no.			9.45 m2	
@Rs. 13206.55/m2				124802=00
th cane ear back eg				

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497745

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
6/5/19		Alg Recorded ricle page no.				18 NOS	
				@Rs. 4210.20/NO			75784=00
	E5) visitor chair with cushion seat back with MS round pipe						
		Alg Recorded ricle page no.				6 NOS	
				@Rs. 5473.28/NO			32840=00
	E6) concealed conduit system supplying heavy gauge PVC conduit pipe minimum confirming with suitable size bend metal PVC junction box						

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		Qty Recorded vide page no:				90.00 m	3621=00
				Rs. 40.23/m			
E7)	25 mm dia 2 mm thick	Qty Recorded vide page no:				55.00 m	2933=00
				Rs. 53.33/m			
E8)	Supplying heavy gauage PVC conduit pipe 19/20 mm dia 2 mm thick with suitable size berely. metal junction box	Qty Recorded vide page no:				75.00 m	3930=00
				Rs. 52.39/m			

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ...
Date of commencement of work .....

Date 1	Full description, etc, of work 2
E9)	25 mm dia 2 mm th
E10)	Supplying and fixing
E11)	Supplying and fixi metal box suitable b box should be fixe

OOK

Depth 6	Contents 7	Reference to last Measurement 8
le page no.	90.00 m	
0.23/m		3621=00
page no.	55.00 m	
3.33/m		2933=00
19/20 mm dia		
metal junction		
page no.	75.00 m	
2.39/m		3930=00

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497746

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
E9)	25 mm dia 2 mm thick						
		Qty Recorded		nickle page no.		35.00 m	
				Rs. 54.26/m			1899=00
110)	supplying and fixing metal box with round book						
		Qty Recorded		nickle page no.		9 Nos	
				Rs. 86.08/No			775=00
E11)	Supplying and fixing mounting powder coated / galvanized metal box suitable for mounting modular switch plates the box should be firmly			1-3 way			

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		Qty	Recorded vide page no			6 Nos	
				@Rs. 85.14 / No			511=00
E12	4-5 way	Qty	Recorded vide page No			6 Nos	
				@Rs. 91.69 / No			550=00
E13)	6 way	Qty	Recorded vide page No:			6 Nos	
				@Rs. 113.21 / No			679=00

Serial No. .....

Name of Work .....

Name of Contractor of nature of Age

Date of commencement of work .....

Date 1	Full description, etc, of wo 2
E14)	point wiring ul and wiring adopt caling capping she outlet via switch
	C & FC 12/3/2019
E15)	Medium point outlet via switc

BOOK

...ons		Contents	Reference to last Measurement
...readth 5	Depth 6	7	8
...ed ride page no		6 Nos	
@Rs. 85.14 / No			511=00
...ide page No		6 Nos	
@Rs. 91.69 / No			550=00
...le page no:		6 Nos	
@Rs. 113.21 / No			679=00

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497747

Serial No. ..... From..... To.....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	E14) point wiring using copper wire without switch supplying and wiring adopting loop system in existing PVC conduit / coating capping short point upto 3m from lapping point to outlet via switch box						12/3/19
		Qty Recorded ride page no:				19 points	2311=00
	C & FC 12/3/2019			@Rs. 121.63 / point			
	E15) Medium point above 3m upto 6m from lapping point to outlet via switch box						
		Qty Recorded ride page no:				10 points	1778=00
				@Rs. 177.76 / point			

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
E16)	Long point above 6 m upto 10 m from tapping point to out let via switch box	Qty Recorded vide page no				10 point	2723=00
				Cr. 272.26/point			
E17)	Supplying and fixing superior quality modular switch mounting poly carbonate plate with necessary supporting base plate 1 to 3 module	Qty Recorded vide page no.				6 Nos	612=00
				CR. 101.98/No			
E18)	4 Module	Qty Recorded vide page no.				6 Nos	685=00
				Cr. 114.14/No.			

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ...
Date of commencement of work .....

Date	Full description, etc, of work
1	2
E19)	6 Module
E20)	Supplying and fixing electronic fan regula 6 Amps one way
E21)	6 Amps 3 way socket

BOOK

ns		Contents	Reference to last Measurement
adth 5	Depth 6	7	8
pping point to out			
cle page no 10 point			2723=00
. 272.26/point			
modular switch			
ering supporting back			
icle page no. 6 Nos			612=00
2. 101.98/No			
icle page no. 6 Nos			685=00
. 114.24/No.			

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497748

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	E19) 6 Module						
		Qty Recorded vide page no:				6 Nos	971=00
				Cr. 161.86/No.			
	E20) Supplying and fixing modular switch / socket / stepped electronic fan regulator / dimmer / telephone socket 6 Amps one way						
		Qty Recorded vide page no:				54 Nos	
				Cr. 46.78/No			2526=00
	E21) 6 Amps 3 way socket						

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		Qty Recorded vide page no.				15 Nos	1081=00
				CR. 72.04/No			
E22)	Stepped Fan Regulator	Qty Recorded vide page no.				9 Nos	1987=00
				CR. 220.80/No			
E23)	16 Amps one way switch	Qty Recorded vide page no				6 Nos	516=00
				CR. 86.08/No			
E24)	6/16 Amps universal socket						

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency ..

Date of commencement of work .....

Date 1	Full description, etc, of work 2
E25)	wiring for lighting / insulated floor grad core wire B. 1.5 sqmm
E26)	2.5 sqmm

OK

Depth 6	Contents 7	Reference to last Measurement 8
...geno.	15 Nos	1081=00
...2.04/No		
...ageno:	9 Nos	1987=00
...20.80/No		
...e pageno	6 Nos	
...86.08/No		516=00

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497749

Serial No. ..... From..... To.....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		Qty recorded vide page no:				6 Nos	674=00
				@Rs. 112.27/No.			
	E25) wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade multistand copper conductor single core wire B. 1.5 sqmm						
		Qty Recorded vide page no.				300.00 m	4463=00
				@Rs. 14.88/mtr			
	E26) 2.5 sqmm	Qty Recorded vide page no.				450.00 m	10483=00
				@Rs. 23.30/mtr			

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
E27)	4 sq mm	Qty Recorded vide page no. 300.00 m					10189=00
				CRs. 33.96/mtrs			
E28)	LED indoor supplying of 4" feet LED PVC square Batten 28 watts with high quality diffuser with life of 25000 burning hours 4'-28 watts	Qty Recorded vide page no. 11 Nos					18257=00
				CRs. 1659.75/No			
E29)	Supplying exhaust fan of 1440 RPM of 300 mm 12" size with bracket blades complete for light duty suitable to operate on 230V 50 Hz AC supply	Qty Recorded vide page no. 3 Nos					4772=00
				CRs. 1590.52/No			

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency ....

Date of commencement of work .....

Date 1	Full description, etc, of work 2
E30)	Supplying capacitor ty blades, shackle, can opi Single phase AC supply
	C&FC 15/3/2019
E31)	Fabricating supplyin 16SWG suitable for b with provision for belte

OOK

Depth 6	Contents 7	Reference to last Measurement 8
e page no: 300.00 m		
33.96 / mtrs		10189=00
ware Batten		
of 25000 burning		
page no: 11 Nos		
1659.75 / No		18257=00
mm 12" size with		
ilable to operate		
page no:	3 Nos	4772=00
1590.52 / No		

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497750

Serial No. ..... From..... To.....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
E30)	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc for operation on 230 volt 50 cycle single phase AC supply confirming 48" sweep Regular model						15/3/19
		Qty Recorded vide page no:				9 Nos	
	C&FC 15/3/2019			Rs. 1777.64 / No			15999=00
E31)	Fabricating supplying and mounting MS box made out of 16 SWG suitable for floor / wall mounting fully weather proof with provision for better heat dissipation						
		Qty Recorded vide page no:				16200.00 sq cm	
				Rs. 0.31 / sq cm			5002=00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
E32)	Supplying and fixing regular MCB distribution boards on wall/ wood board / flush mounting using required clamps bolts, nuts etc double door 4 way SP&N						
		Qty Recorded vide page no				3 NOS	2995=00
				Cr. 998.29/NOS			
E33)	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' type curve 5-32 Amps SP						
		Qty Recorded vide page No:				9 NOS	3520=00
				Cr. 391.08/NO			
E34)	5-32 Amps DP	Qty Recorded vide page No:				3 NOS	2383=00
				Cr. 794.32/NO			

Serial No. .....

Name of Work .....

Name of Contractor of nature of A

Date of commencement of work ..

Date	Full description, etc, of
1	2
E35)	Supplying and on existing wo wathers 32 Amps
E36)	Supplying & PVC insulated Strips

BOOK

...ions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
...ibution boards on ...ing required clamps			
...vide page no		3 Nos	2995=00
@Rs. 998.29/Nos			
...uit breakers on ...ing necessary fixing ...SP			
...vide page no:		9 Nos	3520=00
@Rs. 391.08/No			
...vide page no:		3 Nos	2383=00
@Rs 794.32/No			

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497751

Serial No. ..... From..... To.....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
E35)	Supplying and fixing of porcelain fuse channel with cutout on existing wooden panel using necessary nuts, bolts, and washers 32 Amps	Qty Recorded vide page No.				6 Nos	253=00
				@Rs. 42.10/No.			
E36)	Supplying of 1.1 KV LT UG cable having aluminium conductor PVC insulated extruded inner sheathed galvanized steel strips	Qty Recorded vide page No:				110.00 m	17043=00
				@Rs. 154.94/m			

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
E37)	Labour charges for laying of 1.1kV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on poles as required in existing trench / duct 25 mm to 75 mm						
		Qty Recorded vide page no.				110.00 m	1782=00
				CR. 16.20 / m			
E38)	Supplying fixing wiring earth electrode for grounding conduit IC cutouts and other equipments on the meter board using 40mm dia 2.90 mm thick GI pipe 2.5 m long						
		Qty Recorded vide page no				3 Nos	7654=00
				CR. 2551.38 / no			
E39)	Digging of trench of 0.60 deep x 0.50 m wide refilling the						

Serial No. .....
Name of Work .....
Name of Contractor of nature of
Date of commencement of work

Date 1	Full description, etc, 2
	trench to the req
E40)	supplying an wall thickner coming with

OK

Depth 6	Contents 7	Reference to last Measurement 8
ble in existing		
les as required		
page no. 110.00 m		
0.1 m		1782=00
unal conduit		
board wiring		
e no	3 NOs	
.38/no		7654=00
efilling the		

M. A. R. 57 (Rule 116)
Measurement Book

No. B

497752

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Trench to the required ground level and consolidating etc						
		Qty Recorded vide page no:				100.00 m	
				CR. 72.98 m			7298=00
	E40) Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25 mm on pole/wall/drain crossing with necessary clamping arrangement						
		Qty Recorded vide page no:				12.00 m	
				CR. 322.78 m			3873=00

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
E41)	Supplying and fixing L.T cast iron pot heads suitable for 1.1kV class UG cable filled with necessary bitumen insulating compound complete						
		Qty Recorded vide page no				3 NOs	1016:00
				Rs. 338.69/NO			
E42)	Fixing halogen / metal halide / SVL / IL / LED flood light fittings over existing pole / wall ceiling including clamps, bolt, nuts and wiring using suitable capacity wires						
		Qty Recorded vide page no.				15 NOs	2470:00
				Rs. 164.67/NO			

18/3/19

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Nu
E43)	Fixing all types and all ceiling / spot light / CFL / LE reflers / fixtures using 23	0.0
E44)	Fixing a ceiling / wall all types to the existing s' h board together with supplyi	

OOK

dth	Depth 6	Contents 7	Reference to last Measurement 8
		needs suitable	
		...ely bitumen	
		...de Page no 3 Nos	
		338.69/No	1016=00
		...flood light fittings	
		...ups, bolt, nuts	
		...Page no. 15 Nos	
		64.67/No	2470=00

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497753

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	E43) Fixing all types and all capacities of fluorescent / false ceiling / spot light / CFL / LED fittings indoor on the wall / ceiling rafters / girders using 23/0.0076" / wire						
		Qty Recorded vide page no				20 Nos	1834=00
				@Rs. 91.69/No.			
	E44) Fixing a ceiling / wall mounting fan of all capacities and all types to the existing 'S' hook with fan regulator to the existing board together with supplying and fixing 5 amps						
		Qty Recorded vide page no:				9 Nos	1170=00
				@Rs. ~~47054.13/No~~ 130.05/No			

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	E45) Fixing one exhaust fan in the kitch wall with bolts and nuts and 5 Amps ceiling rose with sufficient length of 23/0.0076 inch PVC insulated twin core wire					already left in the ceiling rose	
		Qty Recorded vide page No: 3 Nos					141162=00
				CR. 47054.13/No			
	E46) Supplying erection testing and commissioning of OFF-line UPS system suitable for operation on 230V 50 Hz A/C supply 5KVA off line UPS two Hour backup 6x120 AH batteries						
		Qty Recorded vide page No: 9 Nos					173460=00
				CR. 19273.36/No.			
18/3/19							

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2
	E47) Supplying installation AH batteries in poly pro tenance tubular batteries
	E48) LED Street light su die cast aluminium h for better thermal dissi and is made of poly carbo

BOOK

s		Contents	Reference to last Measurement
adth 5	Depth 6	7	8
already left in the ...eily rose with ...sulated twin core			
...ride page no: 3 Nos			141162=00
... 47054.13/No			
...ssioning of OFF-line ...on 230V 50Hz A/c ... backup 6x120AH			
... ride page No: 9 Nos			173460=00
...Rs. 19273.36/No,			

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497754

Serial No. ..... From..... To.....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
E47)	Supplying installation testing and commissioning of 12V DC AH batteries in poly propylene container for U.P.S 1000 main tenance tubular batteries 12V 150 AH capacity Acid Battery						
	Qty Recorded ride page No:					20 Nos	16710=00
	Rs. 835.49/No						
E48)	LED Street light supply of LED Street light with pressure dia cast aluminium housing body with optimal heat sink for better thermal dissipation diffuser with injection moulded and is made of poly carbonate material with high transmission						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	index, delivering superior light output rated 11 hr burning Hrs 50000 HV @ lumen maintenance						
		Qty Recorded vide page no: 22 Nos					385378:00
				CR. 14514.43 / No			
			Sub	Total			20,70,463=87
	BESCOM Deposit charges						
	1) Dasarahalli Banglore one						7459:00
	2) Agraharalayout Banglore one						5822:00
	Borewells						
	1) Balavalingappa nagar						12049:00

C&FC
22/3/2019

22/3/19

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	2) Dasarahalli colony
	3) Agrahara layout Govt School backside
	4) Kogilu Sandeep uni Krishnan Layout
	5) Jakkur near Govt School
	6) Agrahara Layout Thirumenahalli main Road
	7) Kattigehalli near ward office

BOOK

...sions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
...t raised lift burning			
...vide page no: 22 NOS			385378=00
...CR. 14/5/14.43 / NO			
Total		20,70,463=87	
			7459=00
			5822=00
			12049=00

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497755

Serial No. ..... From..... To.....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	2) Dasarahalli colony						14759=00
	3) Agrahara layout Govt School backside						16919=00
	4) Kogilu Sandeep uni Krishnan Layout						16129=00
	5) Jakkur near Govt School						14089=00
	6) Agrahara Layout Thirumenahalli main Road						12049=00
	7) Kattigehalli near ward office						12049=00

1070 1:AC

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	8) Thanisandra near SLV School						14089=00
	9) Hegdenagra near police Quotries						16129=00
	10) Bharathnagara near Manyatha tech park						12049=00
	RO plant:						6749=00
	1) Jakkur Govt school						7019=00
	2) Hegdenagara						6749=00
	3) Hegdenagara near police quotries						6749=00
	4) Agrahara Layout near Aswath Kalte						

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency

Date of commencement of work .....

Date 1	Full description, etc, of work 2
	5) Kogilu layout
	6) Balavalingappa na... ...th main
	7) Agrahara Layout n... Bus stand
	8) Kogilu near Indu... canteen
	9) Kattigenahalli n... ward office
	10) Sarvipalya

BOOK

Depth 6	Contents 7	Reference to last Measurement 8
		14089=00
		16129=00
		12049=00
		6749=00
		7019=00
		6749=00
		6749=00

M. A. R. 57 (Rule 116)
Measurement Book

No. B 497756

Serial No. ..... From..... To.....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	5) Kogilu layout						6749=00
	6) Benavalingappa nagara 1st main						6749=00
	7) Agrahara Layout near Bus stand						6749=00
	8) Kogilu near Indira canteen						6749=00
	9) Kattigenahalli near ward office						6749=00
	10) Sarvipalya						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	11) ~~Thano~~ Thanisandra Vetrnary Hospital						6749=00
	12) Shivapura Brundavana College Banglore one						19671=00
				Grand total			23,18234=00

Certificate:

1) Certified that the above work done is satisfactorily.

2) The presenty bill is not claimed in any previous bills is to be certified

Contractor

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-24

22/3/19

Serial No. .....
Name of Work .....
Name of Contractor of nature of
Date of commencement of work

Date	Full description, etc,
1	2

ಬಿಲ್ಲು ಮೊಬಲಗು ರು
ಗಳನ್ನು ಪಾಸು ಮಾಡಿ
ಹೊಂದಾಣಿಕೆ ಮಾಡಿ
ರೂ. Twenty
four hun
ಚೆಕ್ ಮುಖಾಂತರ ನಿ
ಲೆಕ್ಕಾಧೀಕ್ಷಕರ
ಬ್ಯಾ. ಬೆ. ಮ. ಪ

NT BOOK

ensions			Contents	Reference to last Measurement
	Breadth 5	Depth 6	7	8
				6749=00
				19671=00
	Grand total			23,18234=00

e work done is

ot claimed in any previous

d

M. A. R. 57 (Ru
Measurement

No. B 497757

Serial No. .....

Name of Work ..... From.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
						Total	41156595-00
						Ist Sy Part Rs:	38838360-00
						2nd Sy Final Rs:	2318235-00
						IT -	23182-00
						CCU -	23182-00
						CBF -	2318-00
						LC -	13721-00
						CGST -	20699-00
						SGST -	20699-00
						Adju -	103801-00
						Cheque:	22,14,434-00

ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ 2318235-00

ಗಳನ್ನು ಪಾಸ್ಸು ಮಾಡಿದೆ : ಇದರಲ್ಲಿ ರೂ 103801-00

ಹೊಂದಾಣಕೆ ಮಾಡಿಕೊಂಡು ಉಳಿದ ಮೊಬಲಗು 2214434-00

ರೂ Rs. Twenty two Lakh fourteen thousand four hundred thirty four only.

ಚೆಕ್ ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ

ಲೆಕ್ಕಾಧೀಕ್ಷಕರು
ಬಾ. ಪಾಯಸಪುರ ವಿಭಾಗ
ಬೃ. ಬೆ. ಮ. ಪಾ
27/03

ಕಾ. ಪಾ. ಅ.
ಬ್ಯಾಟರ್ ಮನಪುರವಿ ಕಾ
ಬೃ. ಬೆ. ಮ. ಪಾ
27/03